



Material Content Data Sheet



Sales Product Name		IPS110N12N3 G		Issued		29. August 2013		
MA#		MA001092188						
Package		PG-TO251-3-11		Weight*		383.09 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	5.755	1.50	1.50	15023	15023
leadframe	non noble metal	iron	7439-89-6	0.225	0.06		587	
	inorganic material	phosphorus	7723-14-0	0.068	0.02		176	
	non noble metal	copper	7440-50-8	224.739	58.68	58.76	586646	587409
wire	non noble metal	aluminium	7429-90-5	3.866	1.01	1.01	10090	10090
encapsulation	organic material	carbon black	1333-86-4	1.194	0.31		3118	
	inorganic material	antimonytrioxide	1309-64-4	2.389	0.62		6236	
	plastics	brominated resin	-	2.389	0.62		6236	
	plastics	epoxy resin	-	23.889	6.24		62359	
	inorganic material	silicondioxide	60676-86-0	89.585	23.38	31.17	233848	311797
leadfinish	non noble metal	tin	7440-31-5	3.597	0.94	0.94	9389	9389
plating	non noble metal	nickel	7440-02-0	0.090	0.02		235	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	236
solder	noble metal	silver	7440-22-4	0.117	0.03		304	
	non noble metal	tin	7440-31-5	0.093	0.02		243	
	non noble metal	lead	7439-92-1	4.452	1.16	1.21	11622	12169
heatspreader	non noble metal	iron	7439-89-6	0.021	0.01		54	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		16	
	non noble metal	copper	7440-50-8	20.617	5.38	5.39	53817	53887
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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